

Appl. No. 10/647,031
Amdt. dated October 24, 2005
Reply to Office Action of June 22, 2005

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Original) An immunohistochemically stained tissue or cell sample comprising a ribonucleoside vanadyl complex (RVC) RNase inhibitor applied during said immunohistochemical staining.
2. (Currently amended) A method of inhibiting RNase activity during immunohistochemical staining of a sample, said method comprising the presence of an RNase inhibitor a ribonucleoside vanadyl complex (RVC).
3. (Canceled).
4. (Original) The method of claim 2 wherein said staining is conducted at temperatures below about +15°C.
5. (Original) The method of claim 4 wherein said temperature is +4°C.
6. (Original) The method of claim 2 wherein said staining comprises contacting a primary antibody solution with said sample for less than 5 minutes.
7. (Original) The method of claim 6 wherein said contacting is for about 3 minutes.
8. (Original) The method of claim 2 wherein said staining comprises contacting a primary antibody solution with said sample and further comprises contacting said sample with a reagent that binds said primary antibody for less than 5 minutes.
9. (Original) The method of claim 8 wherein said contacting with a reagent that binds said primary antibody is for about 3 minutes.

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10. (Currently amended) A method of immunohistochemically staining a tissue or cell sample comprising the use of ~~an RNase inhibitor~~ a ribonucleoside vanadyl complex (RVC) during said staining.

11. (Canceled)

12. (Original) The method of claim 10 wherein said staining is conducted at temperatures below about +15°C.

13. (Original) The method of claim 12 wherein said temperature is +4°C.

14. (Original) The method of claim 10 wherein said staining comprises contacting a primary antibody solution with said sample for less than 5 minutes.

15. (Original) The method of claim 14 wherein said contacting is for about 3 minutes.

16. (Original) The method of claim 10 wherein said staining comprises contacting a primary antibody solution with said sample and further comprises contacting said sample with a reagent that binds said primary antibody for less than 5 minutes.

17. (Original) The method of claim 16 wherein said contacting with a reagent that binds said primary antibody is for about 3 minutes.

18. (Currently amended) An improved immunohistochemistry staining method, said improvement comprising the use of ~~an RNase inhibitor~~ a ribonucleoside vanadyl complex (RVC).

19. (Canceled)

20. (Original) The method of claim 18 further comprising an improvement selected from the use of temperatures below about +15°C and the use of reduced incubation times.